

Table 1. Characteristics of participants

Characteristics	N=546	
<b>Age (years), mean <math>\pm</math> SD</b>	31.3 $\pm$ 13.2	1.
<b>How long did it take to get to Kitovu (hours), median (Q1 – Q3)</b>	3 (2 – 6)	1.
<b>Marital Status</b>		1.
Married	296 (54.2)	1.
Divorced	117 (21.4)	1.
Widowed	35 (6.4)	1.
Never married	79 (14.5)	1.
Other	1 (<1.0)	1.
<b>Duration of labor (hours), median (Q1 – Q3)</b>	48 (36 – 72)	1.
<b>Time living with fistula (years), median (Q1 – Q3)</b>	0.5 (0.25 – 5)	1.
<b>Parity, median (Q1 – Q3)</b>	3 (1 – 6)	1.
<b>Cause of fistula</b>		1.
Obstetric	512 (93.8)	1.
Post-gynae surgery	21 (3.8)	1.
Congenital	2 (<1.0)	1.
Other	1 (<1.0)	1.
>1 cause	2 (<1.0)	1.
<b>Previous fistula repairs</b>		1.
No	407 (74.5)	1.
Yes	139 (25.5)	1.
<b>Type of delivery</b>		1.
SVD	130 (23.8)	1.
CS	320 (58.6)	1.
CS-Hysterectomy	33 (6.0)	1.
Instrumental	29 (5.3)	1.
<b>Where was baby that caused fistula born</b>		1.
Home	26 (4.8)	1.
Home with TBA	2 (<1.0)	1.
Health center	39 (7.1)	1.
Hospital	419 (76.7)	1.
<b>Outcome of birth</b>		1.
Stillbirth	357 (65.4)	1.
Live birth	96 (17.6)	1.
Early neonatal death	51 (9.3)	1.
<b>HIV status</b>		1.
Negative	493 (90.3)	1.
Positive	53 (9.7)	1.
<b>Previous non-fistula operations</b>		1.
No	142 (26.0)	1.
Yes	404 (74.0)	1.
SD, standard deviation; Q, quartile; HIV, human immunodeficiency virus		1.
Counts and percentages may not add up to total because of missing data.		1.

Table 2. Pre-Operative Characteristics

<b>Pre-Operative Characteristics</b>	<b>N = 546</b>
<b>Diagnosis</b>	
Midvaginal	49 (9.0)
Circumferential	26 (4.8)
Juxta-urethral/mid-urethral	82 (15.0)
Juxta-cervical/vault	113 (20.7)
Ureteric	38 (7.0)
Utero-vaginal	10 (1.8)
Not specified (include pinholes if location not specified)	200 (36.6)
Vesico-cutaneous	2 (<1.0)
>1 diagnosis	26 (4.8)
<b>Foot drop</b>	
No	515 (94.3)
Yes	31 (5.7)
<b>GOH site<sup>a</sup></b>	
1	229 (41.9)
2	89 (16.3)
3	97 (17.8)
4	38 (7.0)
<b>GOH size</b>	
<1.5 cm	254 (46.5)
1.5-3 cm	118 (21.6)
>3 cm	82 (15.0)
<b>GOH scarring<sup>b</sup></b>	
i	250 (45.8)
ii	89 (16.3)
iii	116 (21.2)
<b>HgB (g/dl), mean <math>\pm</math> SD</b>	12.8 $\pm$ 2.1
<b>Surgical approach</b>	
Vaginal	462 (84.6)
Abdominal	64 (11.7)
Combined	19 (3.5)
<b>Type of anesthesia</b>	
Spinal	506 (92.7)
General	28 (5.1)
Spinal/sedation	5 (<1.0)
<b>Concomitant RVF</b>	
No	535 (98.0)
Yes	11 (3.0)
<b>Concomitant surgery</b>	
None	532 (97.4)
TOT excision	1 (<1.0)
Urethral lengthening/stricture release	4 (<1.0)
Ectopic ureter	2 (<1.0)
Stone removal	1 (<1.0)
Hysterectomy	3 (<1.0)
Loop colostomy	1 (<1.0)
Neovagina	1 (<1.0)
Ovarian cyst	1 (<1.0)

<b>Graft/flap</b>	
No	508 (93.0)
Yes	38 (7.0)
<b>Flap type</b>	
Martius	11 (2.0)
Labia minora	7 (1.3)
Singapore	10 (1.8)
Pubococcygeal fascia	3 (<1.0)
Boari	4 (<1.0)
Gracilis	1 (<1.0)
Other/ not specified	2 (<1.0)
None	508 (93.0)
<b>Sling</b>	
No	499 (91.4)
Yes	47 (8.6)
<b>Sling type</b>	
None	499 (91.4)
Pubococcygeal sling	29 (5.3)
Fascia lata	6 (1.1)
Rectus fascia	2 (<1.0)
Other/not specified	9 (1.6)
<b>Any complications?</b>	
No	527 (96.5)
Yes	19 (3.5)
<b>What complications</b>	
Infection	1 (<1.0)
Ureteric injury	8 (1.5)
Wound dehiscence	1 (<1.0)
Return to theater	1 (<1.0)
Bowel injury	1 (<1.0)
Bladder injury	1 (<1.0)
Other	2 (<1.0)
>1 complication	3 (<1.0)
No complication	527 (96.5)
<b>Estimated Blood Loss (mL), median (Q1 – Q3)</b>	100 (50 – 250)
<b>Ureteric catheter in situ</b>	
No	384 (70.3)
Unilateral	68 (12.5)
Bilateral	72 (13.2)
Unspecified	22 (4.0)
<b>Blood transfused?</b>	
No	512 (93.8)
Yes	34 (6.2)

*HgB*, Hemoglobin; TOT, transobturator tape sling

<sup>a</sup>GOH site:

- 1: Distal edge of fistula > 3.5 cm from external urinary meatus
- 2: Distal edge of fistula 2.5–3.5 cm from external urinary meatus
- 3: Distal edge of fistula 1.5 – < 2.5 cm from external urinary meatus
- 4: Distal edge of fistula < 1.5 cm from external urinary meatus

<sup>b</sup>GOH scarring:

- i. No or mild fibrosis around fistula/vagina, and/or vagina length >6 cm or normal capacity
  - ii. Moderate or severe fibrosis around fistula and/or vagina, and/or reduced vaginal length and/or capacity
  - iii. Special considerations, e.g. circumferential fistula, involvement of ureteric orifices.
- Counts and percentages may not add up to total because of missing data.

2.

Table 3. Logistic Regression Analysis of Risk Factors for Blood Transfusions

	Blood transfusion			
Characteristic	Yes (N=34)	No (N=512)	Unadjusted OR (95% CI)	Adjusted OR (95% CI)
<b>Age (years), mean <math>\pm</math> SD</b>	32.7 $\pm$ 10.7	31.2 $\pm$ 13.4	1.01 (0.98 – 1.03)	
<b>Time with Fistula</b>				
< 3 months	14 (11.3)	110 (88.7)	1.00 (Reference)	1.00 (Reference)
$\geq$ 3 months	19 (4.7)	382 (95.3)	<b>0.39 (0.19 – 0.81)</b>	0.48 (0.22 – 1.04)
<b>Type of Delivery</b>				
Spontaneous vaginal	6 (4.6)	124 (95.4)	1.00 (Reference)	
Other	24 (6.3)	358 (93.7)	1.39 (0.55 – 3.47)	
<b>Delivery outcome</b>				
Live birth	5 (3.4)	142 (96.6)	1.00 (Reference)	
Stillbirth	25 (7)	332 (93)	2.14 (0.80 – 5.70)	
<b>Cause of fistula</b>				
Obstetric	31 (6.1)	481 (93.9)	1.00 (Reference)	
Other	3 (11.5)	23 (88.5)	2.02 (0.58 – 7.11)	
<b>Previous fistula repair</b>				
No	25 (6.1)	382 (93.9)	1.00 (Reference)	
Yes	9 (6.5)	130 (93.5)	1.06 (0.48 – 2.33)	
<b>HIV Status</b>				
Negative	33 (6.7)	460 (93.3)	1.00 (Reference)	
Positive	1 (1.9)	52 (98.1)	0.27 (0.04 – 2.00)	
<b>Foot drop</b>				
No	32 (6.2)	483 (93.8)	1.00 (Reference)	
Yes	2 (6.5)	29 (93.5)	1.05 (0.24 – 4.56)	
<b>GOH size</b>				
<1.5 cm	11 (4.3)	243 (95.7)	1.00 (Reference)	
1.5-3 cm	5 (4.2)	113 (95.8)	0.98 (0.33 – 2.88)	
>3 cm	3 (3.7)	79 (96.3)	0.84 (0.23 – 3.08)	
<b>GOH scarring<sup>a</sup></b>				
i	8 (3.2)	242 (96.8)	1.00 (Reference)	
ii	5 (5.6)	84 (94.4)	1.80 (0.57 – 5.66)	
iii	6 (5.2)	110 (94.8)	1.65 (0.56 – 4.87)	
<b>Approach</b>				
Vaginal	17 (3.7)	445 (96.3)	1.00 (Reference)	1.00 (Reference)
Non-vaginal	17 (20.5)	66 (79.5)	<b>6.74 (3.28 – 13.86)</b>	<b>4.30 (1.85 – 10.00)</b>
<b>Anesthesia Type</b>				
Spinal/Sedation	8 (28.6)	20 (71.4)	1.00 (Reference)	1.00 (Reference)
General	26 (5.1)	485 (94.9)	<b>7.46 (3.00 – 18.54)</b>	2.25 (0.73 – 6.95)
<b>Concomitant Issue</b>				
No	32 (6)	500 (94)	1.00 (Reference)	
Yes	2 (14.3)	12 (85.7)	2.60 (0.56 – 12.14)	
<b>Graft/flap</b>				
No	33 (6.5)	475 (93.5)	1.00 (Reference)	
Yes	1 (2.6)	37 (97.4)	0.39 (0.05 – 2.93)	
<b>Sling Procedure</b>				
No	32 (6.4)	467 (93.6)	1.00 (Reference)	
Yes	2 (4.3)	45 (95.7)	0.65 (0.15 – 2.80)	
<b>Any complications?</b>				
No	29 (5.5)	498 (94.5)	1.00 (Reference)	1.00 (Reference)
Yes	5 (26.3)	14 (73.7)	<b>6.13 (2.07 – 18.20)</b>	2.70 (0.73 – 10.03)

<b>Trainee as primary</b>				
No	25 (6.4)	365 (93.6)	1.00 (Reference)	
Yes	8 (5.4)	141 (94.6)	0.83 (0.37 – 1.88)	
SD, standard deviation; OR, odds ratio; CI, confidence interval <sup>a</sup> GOH scarring: i. No or mild fibrosis around fistula/vagina, and/or vagina length >6 cm or normal capacity ii. Moderate or severe fibrosis around fistula and/or vagina, and/or reduced vaginal length and/or capacity iii. Special considerations, e.g. circumferential fistula, involvement of ureteric orifices.  Bolded values signify OR statistically significantly different from 1. Counts and percentages may not add up to total because of missing data.				